

In the Claims:

Claim 1 (amended). An electrical resistor, comprising:

a resistance zone;

connections;

electrically conductive power supply leads constructed as busbars; and

an insulating layer between said power supply leads for electrically insulating and thermally coupling said power supply leads;

said power supply leads connected to said connections;

said power supply leads running parallel to one another;

said power supply leads have ends remote from said resistance zone; and

said ends of said power supply leads being constructed as connection contacts.

Claim 2 (amended). The electrical resistor according to claim 1, comprising:

another electrically insulating and thermally conducting layer; and

a construction including said resistance zone and said power supply leads except for said connection contacts;

said other insulating layer surrounding said construction.

Claim 3 (amended). The electrical resistor according to claim 2, comprising:

an electrically and thermally conducting layer surrounding said construction and said other insulating layer.

Claim 7 (twice-amended). An electrical resistor assembly, comprising:

an electrical resistor to be protected from adjacent structural parts producing heat or cold, said electrical resistor including:

a resistance zone;

connections;

electrically conductive power supply leads constructed as busbars; and

an insulating layer between said power supply leads for electrically insulating and thermally coupling said power supply leads;

said power supply leads connected to said connections;

said power supply leads running parallel to one another;

said power supply leads have ends remote from said resistance zone;

said ends of said power supply leads being constructed as connection contacts; and

a protective barrier made of thermally non-conducting material disposed between said electrical resistor and the adjacent structural parts producing heat or cold.